

Serial N : 08/896,589
Group Art Unit No.: 1652

In the Specification:

At page 8, line 21, please delete "bacteriocidal" and insert ~~— bactericidal—~~ in place thereof.

At page 16, line 28, please delete "depositedwith" and insert ~~— deposited with—~~ in place thereof.

At page 16, line 29, please delete "40800.." and insert ~~— 40800.—~~ in place thereof.

ne — At page 17, line 27, please delete "peumnoiae" and insert ~~— pneumoniae—~~ in place thereof.

ne — At page 17, line 28, please delete "peumnoiae" and insert ~~— pneumoniae—~~ in place thereof.

At page 29, line 15, please delete "bacteriocidal" and insert ~~— bactericidal—~~ in place thereof.

At page 29, line 16, please delete "antagoists" and insert ~~— antagonists—~~ in place thereof.

At page 33, line 15, please delete "insotonic" and insert ~~— isotomic—~~ in place thereof.

These amendments to the specification are merely clarifications or corrections of obvious typographical errors. No new matter is added by these amendments.

In the Claims:

Please cancel claims 1 through 20 without prejudice and add new claims 21 through 51. The new claims are directed to the invention in Group I.

21. An isolated polynucleotide comprising a polynucleotide sequence encoding a Xanthine phosphoribosyl transferase polypeptide having at least 70% identity over its entire length to the amino acid sequence set forth in SEQ ID NO:2, wherein the percentage identity is calculated by the method of a GCG program.

22. The isolated polynucleotide of claim 21 comprising a polynucleotide sequence having at least a 70% identity over its entire length to a polynucleotide encoding the same mature polypeptide expressed by the Xanthine phosphoribosyl transferase gene contained in *Streptococcus pneumoniae* 0100993 contained in NCIMB Deposit No. 40794.

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23. The polynucleotide of Claim 21 wherein said polynucleotide sequence encoding a Xanthine phosphoribosyl transferase polypeptide is DNA or RNA.

24. The polynucleotide of Claim 21 wherein said polynucleotide sequence encoding a Xanthine phosphoribosyl transferase polypeptide comprises the nucleic acid sequence set forth in SEQ ID NO:1.

25. The polynucleotide of Claim 21 wherein said polynucleotide sequence encoding a Xanthine phosphoribosyl transferase polypeptide comprises nucleotide from position 1 to 579 inclusive of the polynucleotide sequence set forth in SEQ ID NO:1.

26. The polynucleotide of Claim 21 wherein said polynucleotide sequence encoding a Xanthine phosphoribosyl transferase polypeptide encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:2.

27. A vector comprising the polynucleotide of Claim 23.

28. A host cell comprising the vector of Claim 27.

29. A process for producing a Xanthine phosphoribosyl transferase polypeptide comprising the step of culturing the host of claim 28 under conditions sufficient for the production of said polypeptide.

30. An isolated polynucleotide of claim 21 comprising a polynucleotide sequence encoding a Xanthine phosphoribosyl transferase polypeptide having at least 80% identity over its entire length to the amino acid sequence set forth in SEQ ID NO:2.

31. An isolated polynucleotide of claim 30 comprising a polynucleotide sequence encoding a Xanthine phosphoribosyl transferase polypeptide having at least 90% identity over its entire length to the amino acid sequence set forth in SEQ ID NO:2.

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32. An isolated polynucleotide of claim 30 comprising a polynucleotide sequence encoding a Xanthine phosphoribosyl transferase polypeptide having at least 95% identity over its entire length to the amino acid sequence set forth in SEQ ID NO:2.

33. An isolated polynucleotide comprising a polynucleotide sequence having at least a 80% identity over its entire length to a polynucleotide encoding the same mature polypeptide expressed by the Xanthine phosphoribosyl transferase gene contained in *Streptococcus pneumoniae* 0100993 contained in NCIMB Deposit No. 40794, wherein the percentage identity is calculated by the method of a GCG program.

34. An isolated polynucleotide of claim 33 comprising a polynucleotide sequence having at least a 90% identity over its entire length to a polynucleotide encoding the same mature polypeptide expressed by the Xanthine phosphoribosyl transferase gene contained in *Streptococcus pneumoniae* 0100993 contained in NCIMB Deposit No. 40794.

35. An isolated polynucleotide of claim 33 comprising a polynucleotide sequence having at least a 95% identity over its entire length to a polynucleotide encoding the same mature polypeptide expressed by the Xanthine phosphoribosyl transferase gene contained in *Streptococcus pneumoniae* 0100993 contained in NCIMB Deposit No. 40794.

36. An isolated polynucleotide of claim 33 comprising a polynucleotide sequence encoding the same mature polypeptide expressed by the Xanthine phosphoribosyl transferase gene contained in *Streptococcus pneumoniae* 0100993 contained in NCIMB Deposit No. 40794.

37. The polynucleotide of Claim 33 wherein said polynucleotide sequence encoding a Xanthine phosphoribosyl transferase polypeptide is DNA or RNA.

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38. A recombinant polynucleotide comprising the nucleotide sequence from position 1 to 579 inclusive of the polynucleotide sequence set forth in SEQ ID NO:1.

39. A recombinant polynucleotide which encodes a polypeptide comprising a region having the amino acid sequence of SEQ ID NO:2.

40. A vector comprising the polynucleotide of Claim 39.

41. A host cell comprising the vector of Claim 40.

42. A process for producing a Xanthine phosphoribosyl transferase polypeptide comprising the step of culturing a host of claim 41 under conditions sufficient for the production of said polypeptide.

43. An isolated polynucleotide comprising a polynucleotide sequence having at least 70% identity over its entire length to the polynucleotide sequence of SEQ ID NO:1, and which hybridizes under stringent conditions to said sequence of SEQ ID NO:1, wherein the percentage identity is calculated by the method of a GCG program.

44. An isolated polynucleotide of claim 43 comprising a polynucleotide sequence having at least 80% identity over its entire length to the polynucleotide sequence of SEQ ID NO:1 and which hybridizes under stringent conditions to said sequence of SEQ ID NO:1.

45. An isolated polynucleotide of claim 43 comprising a polynucleotide sequence having at least 90% identity over its entire length to the polynucleotide sequence of SEQ ID NO:1 and which hybridizes under stringent conditions to said sequence of SEQ ID NO:1.

46. An isolated polynucleotide of claim 43 comprising a polynucleotide sequence having at least 95% identity over its entire length to the polynucleotide sequence of SEQ ID NO:1 and which hybridizes under stringent conditions to said sequence of SEQ ID NO:1.